

Claim Amendments

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently Amended) A backprojection and/or projection screen, comprising:

at least a first glass substrate having a scattering layer[[],] prepared by dispersing semitransparent mineral particles ~~having a refractive index greater than 1.7~~ in a mineral binder ~~having a refractive index of less than 1.6~~, joined to a surface of the glass substrate which produces a subsurface effect, thereby forming a screen having front and rear faces, said scattering layer providing a viewing angle of less than or equal to 180° on both faces of said scattering layer.

Claim 2. (Previously Presented) The backprojection and/or projection screen according to Claim 1, wherein the screen has a resolution ranging from 5x10³ and 1x10⁵ dpi.

Claim 3. (Previously Presented) The backprojection and/or projection screen according to claim 1, wherein the scattering layer is deposited on one of the faces of the first substrate and a lamination interlayer is deposited on the opposite face of the said first substrate, the said interlayer in turn being joined to a second substrate.

Claim 4. (Previously Presented) The backprojection and/or projection screen according to Claim 3, wherein the second substrate is a tinted substrate.

Claim 5. (Currently Amended) The backprojection and/or projection screen according to Claim 1, wherein the scattering layer is deposited on one of the faces of a said

first substrate, the said first substrate being in turn joined to a second substrate so as to form a double-glazing unit

Claim 6. (Currently Amended) The backprojection and/or projection screen according to claim 1, wherein the first glass substrate and the scattering layer are joined to a third substrate, a peripheral bead separating that face of the first substrate which is coated with the said scattering layer from the third substrate.

Claim 7. (Previously Presented) The backprojection and/or projection screen according to claim 1, wherein the particles are mutually agglomerated in the light scattering layer.

Claim 8. (Previously Presented) The backprojection and/or projection screen according to Claim 7, wherein the particles are metal or metal oxide particles.

Claim 9. (Previously Presented) The backprojection and/or projection screen according to Claim 1, wherein the particles are selected from the group consisting of silicon, aluminum, zirconium, titanium and cerium oxides, or a mixture of at least two of these oxides.

Claim 10. (Previously Presented) The backprojection and/or projection screen according to Claim 7, wherein the particle size ranges from 50 nm and 1 μ m.

Claim 11. (Previously Presented) The backprojection and/or projection screen according to Claim 7, wherein the binder essentially consists of a glass frit or melting agent.

Claim 12. (Previously Presented) The backprojection and/or projection screen according to Claim 11, wherein the glass frit or melting agent is based on a mixture of zinc oxide, boron oxide, sodium oxide and silica.

Claim 13. (Previously Presented) The backprojection and/or projection screen according to claim 1, wherein the thickness of the scattering layer ranges from 0.5 and 5 μm .

Claim 14. (Currently Amended) The backprojection and/or projection screen according to claim 1, wherein in addition to said at least one of the first glass substrate, second and third substrates are provided, at least one of which is a glass substrate.

Claim 15. (Currently Amended) The backprojection and/or projection screen according to claim 1, wherein in addition to said at least one of the first glass substrate, second and third substrates are provided, at least one of which is a transparent substrate based on a polymer.

Claim 16. (Previously Presented) The backprojection and/or projection screen according to claim 1, wherein at least one of the first, second and third substrates possesses a coating having a function other than light scattering.

Claims 17-19. (Canceled)

Claim 20. (Previously Presented) The backprojection and/or projection screen according to claim 16, wherein said coating has a low-emissivity function or an antistatic, antimisting, antifouling or antireflection function.

Claim 21. (Previously Presented) The backprojection and/or projection screen according to claim 7, wherein the binder content of the light scattering layer ranges from 10 to 40 % by volume.

Claims 22 -24. (Canceled)

Claim 25. (New) The backprojection and/or projection screen according to Claim 3, wherein the first glass substrate is prepared by dispersing semitransparent mineral particles having a refractive index greater than 1.7 in a mineral binder having a refractive index of less than 1.6 and is joined to a surface of the substrate.

Claim 26. (New) A method of viewing images, comprising:
dividing a viewing area into two different viewing zones by employing the backprojection and/or projection screen according to claim 1 as a separating partition that defines a wall between the two different zones, it being possible for each to benefit from information broadcast on either side of the partition.

Claim 27. (New) A separating partition that defines a wall between two different viewing zones that comprises the backprojection and/or projection screen according to claim 1.

Claim 28. (New) A method for broadcasting information, comprising:
backprojecting and/or projecting broadcast information on either side of the separating partition that defines a wall between the two different viewing zones as claimed in Claim 26.